

**Amendments to the Claims:**

This listing of Claims will replace all prior versions, and listings, of claims in the application where added material is shown in underlined type, deleted material is shown in strikeout type:

**Listing of Claims:**

1. – 18. (Cancelled)

19. (Currently amended) The method of capturing and destroying bio-agents and other organic hazardous agents comprising:

- a) passing air through a first of at least three filters, each containing a bed of material for capturing bio-agents;
- b) circulating the filtered air to a building having a plurality of enclosed spaces during an in-service operation;
- ~~e~~ c) detecting a release of bio-agents within the first 20 minutes of the presence of bio-agents with a plurality of biosensors located within the enclosed spaces;
- ~~d~~ d) warning building occupants of a release of bio-agents;
- ~~e~~ e) adsorbing on a filter bed bio-agents present in the air prior to the air being passed to the enclosed space, said filter bed containing a sufficient amount of GAC to prevent a breakthrough of a bio-agent spike from the GAC bed into any enclosed space during the time required by the biosensor to detect and confirm a release of bio-agents and to warn the building occupants;
- ~~e~~ f) sealing off the circulation of air from the enclosed space in which a bio-agent has been detected from the other enclosed spaces after a sufficient evacuation time has elapsed;
- ~~f~~ g) passing steam and syn-gas through said first filter if the biosensor detects a release of bio-agents; and
- ~~g~~ h) circulating the steam and syn-gas mixture from said first filter to a steam/carbon dioxide reformer at temperatures of at least 1800°F to destroy any of the bio-agents

and other organic hazardous agents that have been adsorbed on a the filter bed after a release of a bio-agent has been detected during a reactivation operation; and

~~h~~ i) passing the air through a ~~second~~ third filter containing a ~~second~~ third bed for use during the in-service operation while the bed of said first filter is undergoing the reactivation operation of step ~~g~~ h).

20. (Original) The method of Claim 19, wherein the material for capturing bio-agents is granular activated carbon (GAC).

21. (Cancelled).

22. (Cancelled).

23. (Currently amended) The method of claim 19, further comprising passing the air through a the second filter containing a the second bed placed in series with a first filter containing a first bed to assure capture of substantially all of the bio-agents.

24. (Original) The method of Claim 19, wherein the steam and syn-gas mixture is superheated.

25. (Cancelled).

26. (Cancelled).

27. (Cancelled).

28. (Currently amended) The method of Claim 19 ~~27~~, wherein said filter bed contains about 100 tons of GAC.